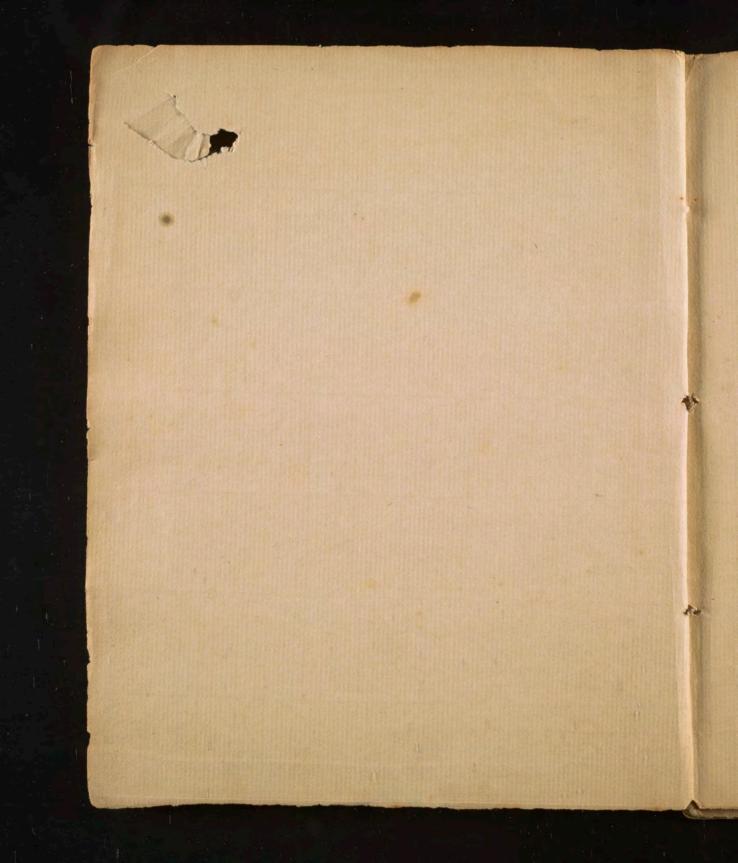
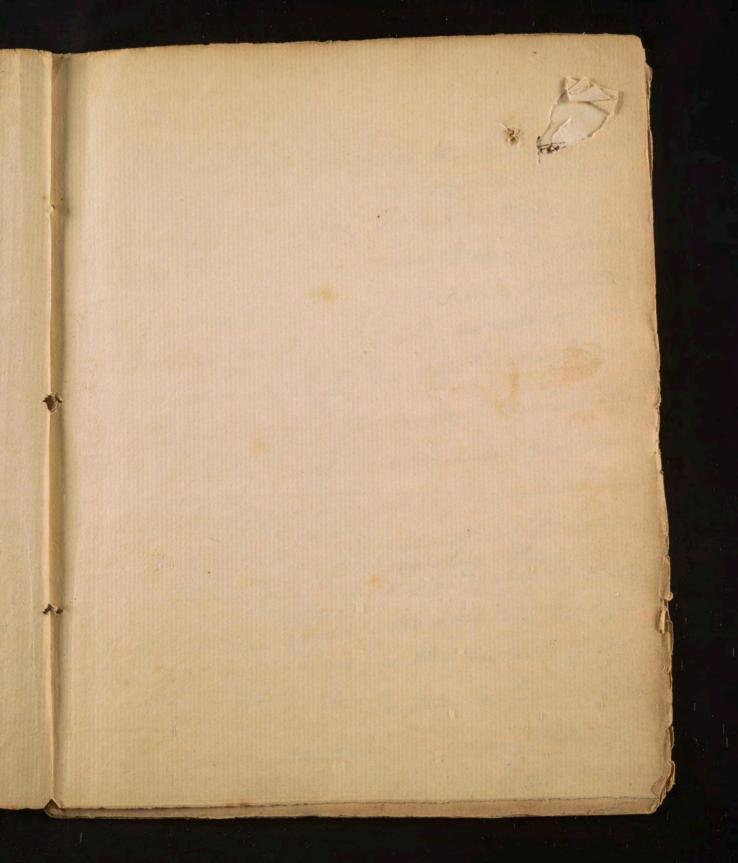
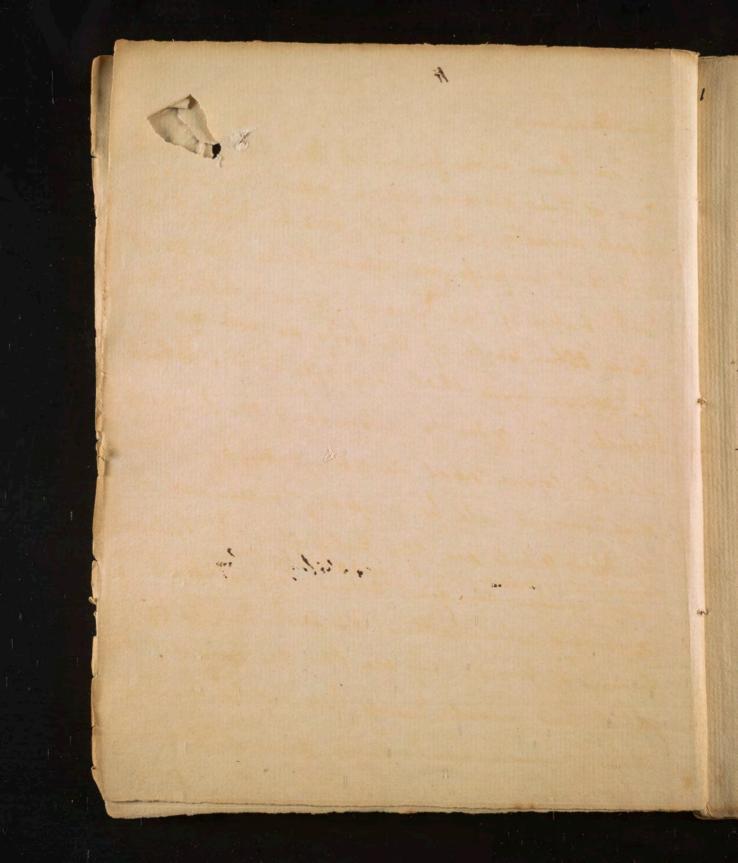
7399 F 12 Introduction to lestures upon Apropleny, puby, Coma & Spilipsy. Dr Benj Rush





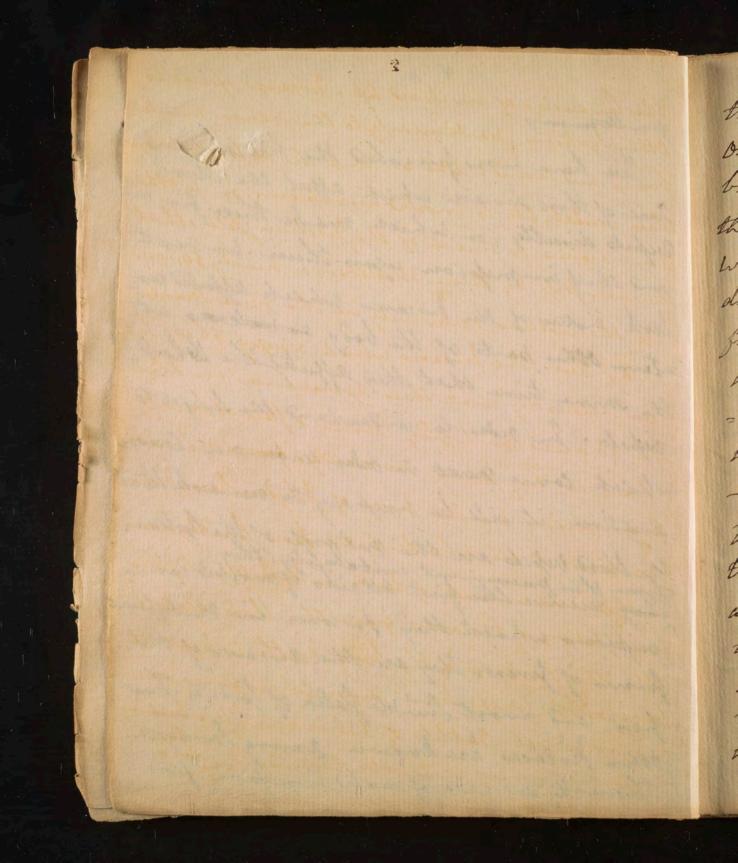


gentlemen, The home now finished the history and Come of these diseases which affect the alvod Dupols directly, or which make their first and thief imprepion upon them . We west look entire of the discuss which affects een -tain other parts of the body as talkens at The same time that they affects the Wolson = - vepels. In own to understand the Subjects Which comment in order under our Cousis -destroor, it will be need any to run work that the blood supels are the out posts of the hystem.

Typen this presenting it attacks of morbid in-= perpions which they discover in the different Josens of Juness. They are the discuses of the first and most diriple flates of fority. From Other tisenses are known among laveges. From the enewase of morbid impressions from

This is the comment au his of a paring of y for highest grade of. apoplesey, but I wall Dany hereafter there are two of it which then of Thym of life. & 20.00. pl 42418. 8.12.18.18.18.18 hrige Lather 16.22. 16.25. and Luctura. 3.15. 7. Fram. 22. 23.27. 11. In white in 10. twent chemil

V The Jame nerrote Causes which induce fevers in a labourer, or a burner, or in a young Enan or Woman induce good, Shakis added Figures Colin, hund Stownich - on head ach or were other moses discare of the inve survivous, or in persons advanced in life. But these viewous diseases =



the beausies of wishined life, discuses offered to Other Lysterns, particularly to the Drewes, houseles, brain and ersind. after a While the blood published love this imitability to morbid impulsions, or in other words arguine to much of the Stricture State , that discuses pap by them altogether, or nearly so, and fix themselves exclusively in the news muster and brain. The discuss which occupy these Sys. - time novelly make their appearances in the the advanced, on highly civilized flate of Society; - hence in the bills of mortality, from of London Jewes which in the time of Itylenham destroys two thirds of all who died, are how hardly noticed as the instruments of death in that city. By this translation of diseases from the blood repuls to the Other Systems of the body, death is kept at buy for a longer time than when frees were the principal Outlets of human life, but I Thunan brisery is thouby encused, and

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discuses which vetap very the place of fivers are some the left boddenly months are more Distriping than the forms they have barrished, and this life entrenty fatal, they are equally so. In Short they tubs litute Chronic discussots such as are of a fhort duration - painful and discuss to such as Often distroy fensibi:

- lity, and a hinging dealtr to that which Esstinction of life. It was from this view of the immense differens between natural discuses much as fevers, and the discuses of an civilized, or artificial lige, that a physician lenne suid, 4 god sout aente diocesco, but man enade all such of them no were of a Chiserie or artificial nature! One business at present is to treat of those discuses which affect the trems formscles in Common with the bloodsepile, and here of

the V However Hrange and paradoxical this Apertion may sormed, I believe it to be true, & J-shall 151

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thall depart a little from our byllabus by treas - ting of apoplery, paloy, Coma, Convelsions, on Ejilipsy in the order En which I have now mentioned them. I shall begin my remarks upon all these Discases by taking notice in the Postare, that they are all different grades of but ene discase Manoplem constitutes the highest gode this man sound, I should flow the towns of the bowest of the bourst of the bowest of the lay the endeavour to support this apartions by the following fails and arguments. I all the show discusors are all indued by a greater or less force of the same direct, indirect & Lyngsathetie Causes, to be mentioned hereafter. 2 They all affect the same bystems; these are the blood vepels, the brain, the riend, the Unrocles, and the 3 They are Several of them are formationes Combined with carle other. Thus we apoplessy & formulsions at the same time, particularly in Immkards. again bu see them terminate in cach other.

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Thus Epilepsy succeeds apopleay, and Oppopleayis frequently the last and deably purveyour of Spilepsy. Indus Epsilepsy seldom ends fatally in any other way. Further, apopleary often succeeds palsy and papy apopelescy. But this is not well,

How some of their alternate with early other. Ehrs we see sporting and Epilipsy affect the same person two or three times in the Course of a few years. 4 Tinfer the samerely of all the discuses flame mentioned, and that they differ from cach Other only in force, from the same worked appearances occurring in the brain Mar dratte from call of them. Of the truth of this afaction you will find many proofs in the Works of morgagni, Linetiand, and other writers upon morbid ana story. This fact inthe how not originally Irine. It was first discovered by Drethrenas Willio. In Short, apoplery, paly & Corna

V of the Samones of apopling & Epilegray in this cares. "Itasting in our flugs" is a Con Striking allustration. The brain influp is ba in what I formerly called a flats of healthy Apopleny, that is formewhat opposited with blood. When this Oppression comes on Indenty the brain exceets, in consequence of which was we have with a Thating, or in Main was with a Thating of the brain in with a Consulsion. This It asting or consulsion changes what would be a Come or apoplery into a single or transient epileptic fit. That this is the lase, is obvious from the often the hoving which precedes it, or which the occurs dering the right where reaction of the brain and starting do not take place. how Inozing is a Lymptom of Coma & apoplescy, and is uniformly ascribed to a workid prepure upon the brain.

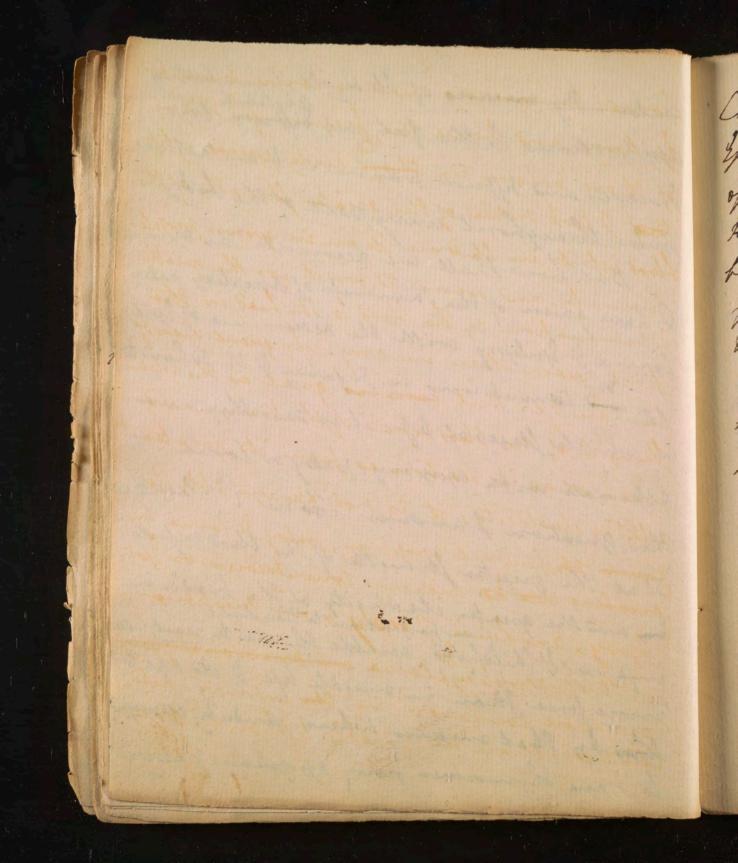
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20 3 are nothing but Inffreated Consulsions, and Convulsions, or ysilpsy are brothing but apoplery, w baly and bome diffused throughout a part, or bis the Whole of the Lystern, on The Consulsions of Epilepsy were severe on one five than the thy rith Other, which thows the relationship opto palsy. denly This is so these I have one teen them affect tural One has only without imparing in the prollest in bion degree the Operations of the mind. The Explanation of have given of the exy Unite of Asusday, palsy, Come, Comulsions t. & Spilepay, or of their this being but One discusse the existing in a sufficiented, or diffused flate awards h Shrithy with the several office discases o we shrinks with the several of the position, 3 row both of which are diffused by bluding. We 4, Observe also a Sufforation govet in the head, atten. = the with a cool thin, cold feet da languid

100 ap. Di 4 1 pulse. By menns of bluding & thimulating abstract the applications to the fact, we diffuses the history and diffuse warmth & an active pulse throughout every part of the body. But how that we rewrite the Opinion I have given of the danneres of aproplery, paly, low a & Epilepsy with the occurrence of Epileps = 2y and Convelsions in Infancy & Childhood in which Stages of life, it is taid they never alkmate with apoplessy, palsy or Coma? To this greation & answer is in 1 placethet that the greater ftrongth of the blood vepils in and the greater classicity of the brain in in proportion to this live! in proportion to this live! infamy & Childhood, enable them to react with more force blan in middle life & old age &. thes by that means, when unduly ofopupi, to save themselves from apoplery, palry &



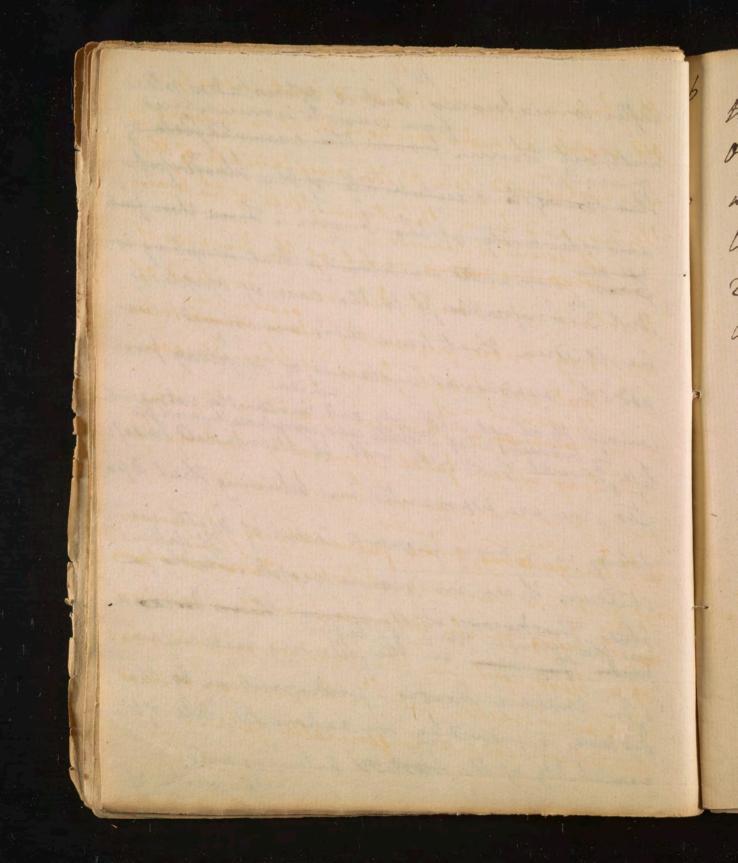
Come, by reacting creating Convulsiones W spilipsy, and here the frequency & origin of those diseases in these early periods of life. But I took notice of the greater strong the of the How repels in Children the an in grown people formerly, and aremented for it for the greater determination of the blood to the head in the fist years, than in any subsequent years of human life. But courses great as the relative Strength of the blood vepels of the brain, and promplas its unition is from its yrealter relative clasticity, it is not always able to en the present apoplery, paloy & Come by treating many inducing Convulsions, or you - approp and hence I seply to over guestions 2 that specient come and punionally paloy. At 121 2 4 Childhood, than in middle life or in obtage.

The state of the s The Ip - la n a The same of the sa were the contract that he was not be 1 grand and winds and Marine Marine within your consumption sharing . an

This is evident I from the fleep which which in children wir this fleep which I fill the property which weifered follows a fit of Fridgey is Ero. - thing close but to father diggers Course, on a bow degree of apoplexy. and 2 th from apoplery to generally transmating the aunts discusses of Mildren. This is expert obvious - and in the funessition fines, that it as well in the examilians fevers, that it as well as the constitutions from Contrisiones on the head, but it owns likewise about the frallfort masks, hooping lough harifus brown Infantum. This apopling is in the sail the apopling of adults in being of a more Chronic brature, but its Conses are exceetly The Jame, and the Jame results appear in the brain after death. It occurs in the close of the Dahore riscans and there

And the state of t

after Convulsions, but it oftenutakes place from courses to be mentioned without them, foron the constrate fate of mesently. Her formette excite hibits of the bloodsepels we clasticity of the bearing. From these fouts from bounanted in beliving that apopling is But 3 Sinfer the If to the cases of apopling in Children that have been mentioned, we and the avasional instances of agriphing from which Courses that art outsenly and instantly estinguish by inducing what Destills ealed applesia infantifis life Service of which will be thentioned hereaf: =ter, we are warranted in beliving that apo. - please is a more frequent cause of Geth in chiteren than in grown people. Hote for the The firmer the former these lines. In Children theres a predisposition to the discuse is indund by an exhausted flate of the excitability of the stored artisis, and clasticity of



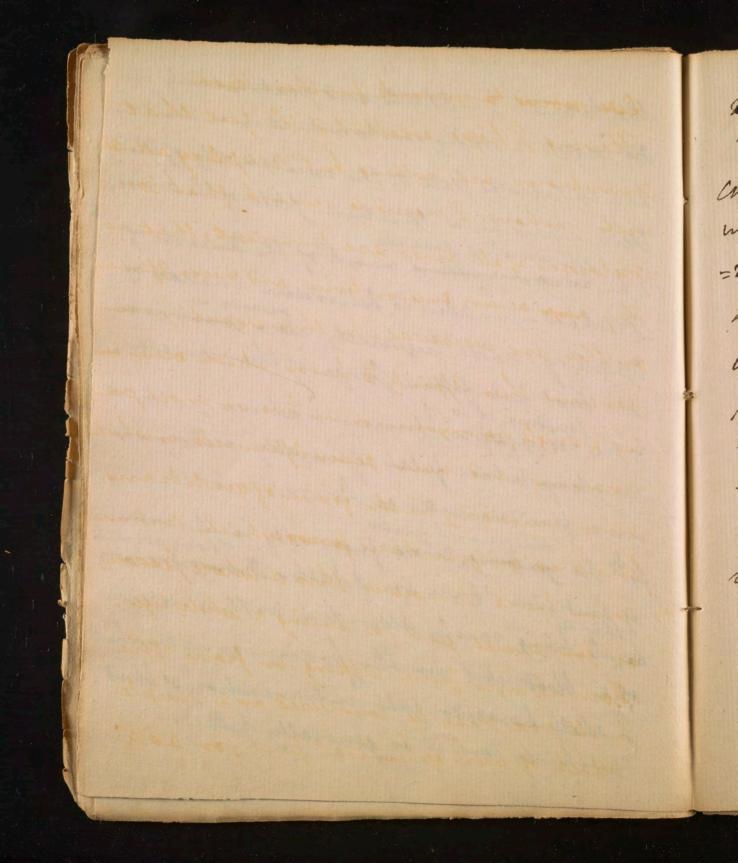
the brain. In Abults and particularly in Ald profile a prehisposition to it is induced by an exhauster flats of the excitability of the Verins, and by a Strictum state of the brain.

The being our culing most of the discuss of Chilphood. In Adults, delinium instead of apoplexy, more frymently elements the last and fatal stage of this discusses. In whelts 3 In wings of a Chronic nature. In whelts apoplary when fatal, generally destroys life in a from minutes or hours. and

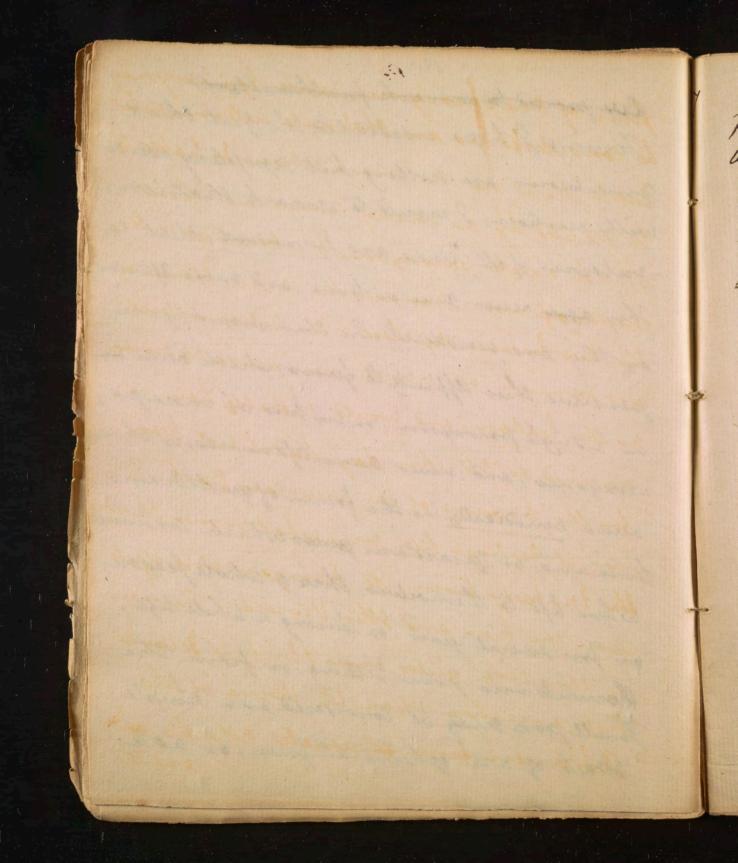
in a from minutes or hours. and

the he youthing a now frequently to the provention

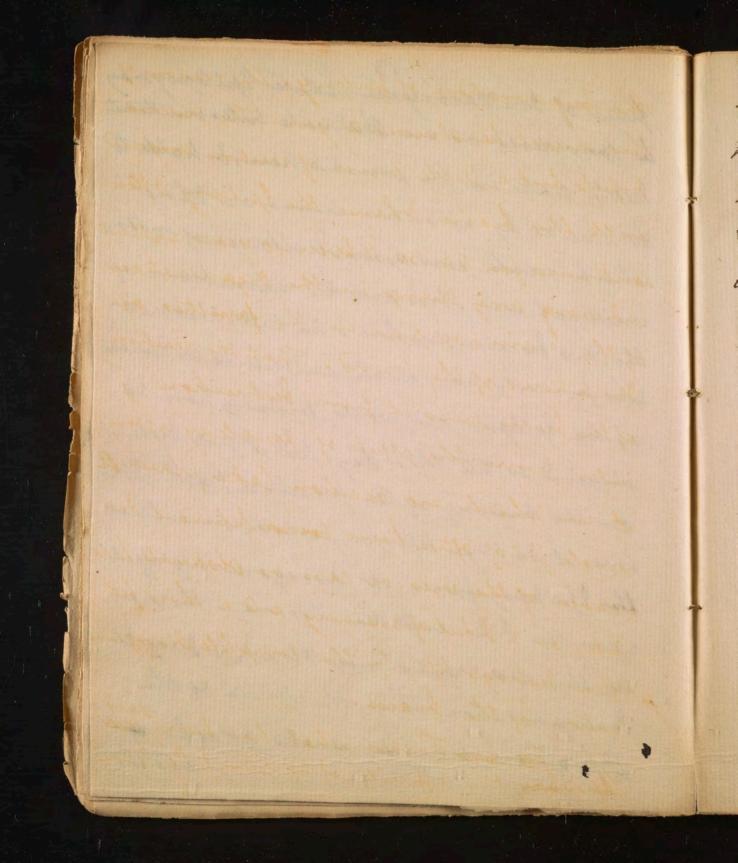
of multime than in adults. Thoring forthering to thing ranky attended with a suptime of a bloodrepel in the brain, or with what I shall hereafter call intravasation of blow. in which lase it is generally fatal.



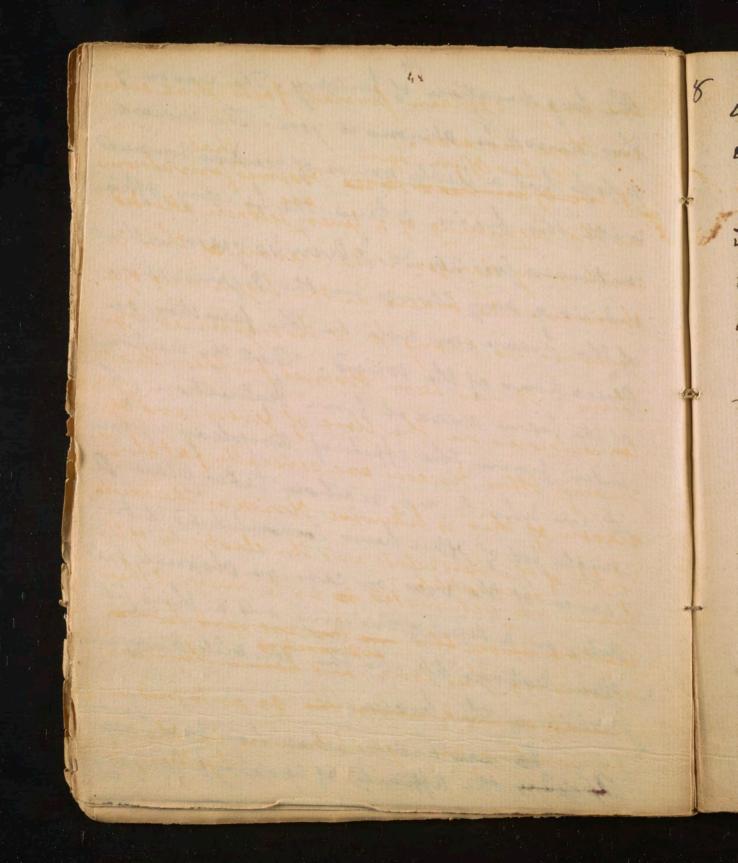
But pour to mark problem that Having I hope established the fact that Convulsiones are nothing but apoplery attended with nation, I mound to remark that Con-= vulsiones of all kinds are transient, that is They agos occur one or twice, and over afterward, or they are periodical. In this respect you percine this affirity to fivers, which occur in in a single parosysm, or in two or more pa-- 20 mysmo, and muer decur afternards, or which venur periodically in the forms of quotidians, tations, or quartares frances which continue when left to themselves thro a whole feason, or for sweral years , or during a whole life. Convelsions from teething, or from the hwell pose may be considered as a simple attack of arr exherrical firms, or as a



fruer of one paroxyme, while Epilypsymay. be considered as an Obstinate intermittent Suply realis in the constitution, & hialet be excited by as many amors as those which excite purveysons & relapses of inter-= enitting fevers. Ivor does the resemblance of the two diseases stops here. An intermittent was formerly as enuch an incurable discase as the grilipsy, and would probably have 20= -mained to till this day, had it not been for the discovery of the punisan Bask. Itis true it destroys life somewhat somer than the You havy from its disorganizing offets wpon the hier and other Vioura. The brain in this case yilds more throby to being & Disospanization than the Viscera of the Obsorner from Lupeated Attacks, of and the



The long durations of Epilepsy. The reason of This must be obvious to you. The viscesa posses but a feeble power of reaction compared with the brain, behave the Epilypry Often Continues for 20, 30, & Over 40 years without induciona any Change in the Organization of the brain, or over in the families, or Operations of the mind. That the nation of the beam somes it from distruction, of infer from the effects of apopleary upon it in which no reaction takes place. A single fit of often hours comes, behind it dio: - cuses of the vges or cars , or obstinate her ach, or a defect of memory, and a third fit Often destroys life, by the complete disorganiz Apopelery the appinity of apopelery & Spilippy, = 2 ation of the brain.



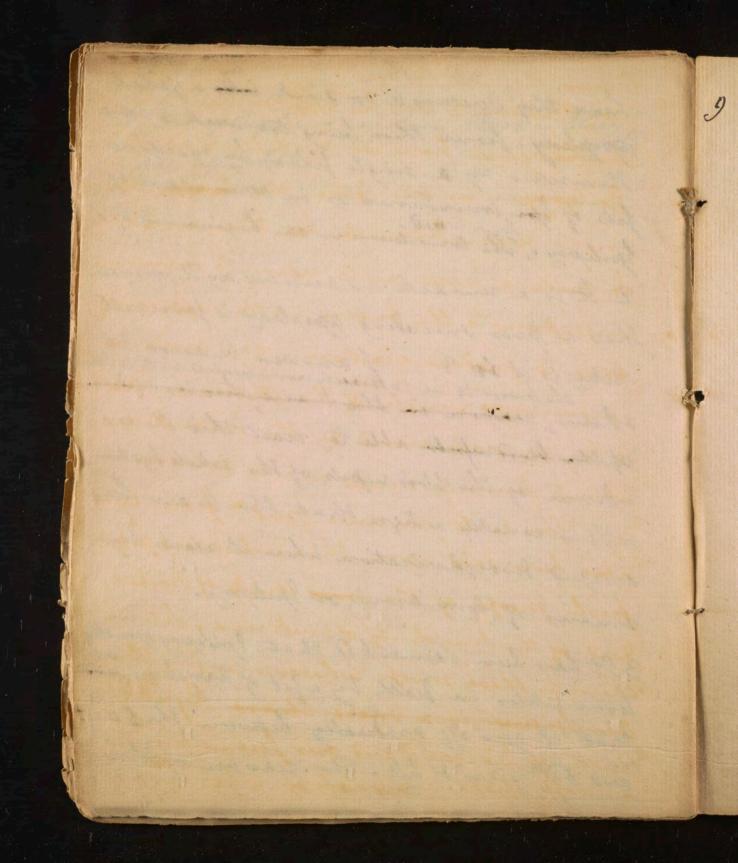
ever may explain foreral facts that occur in those chiscases. been that

I have from home town Observed Consulsions

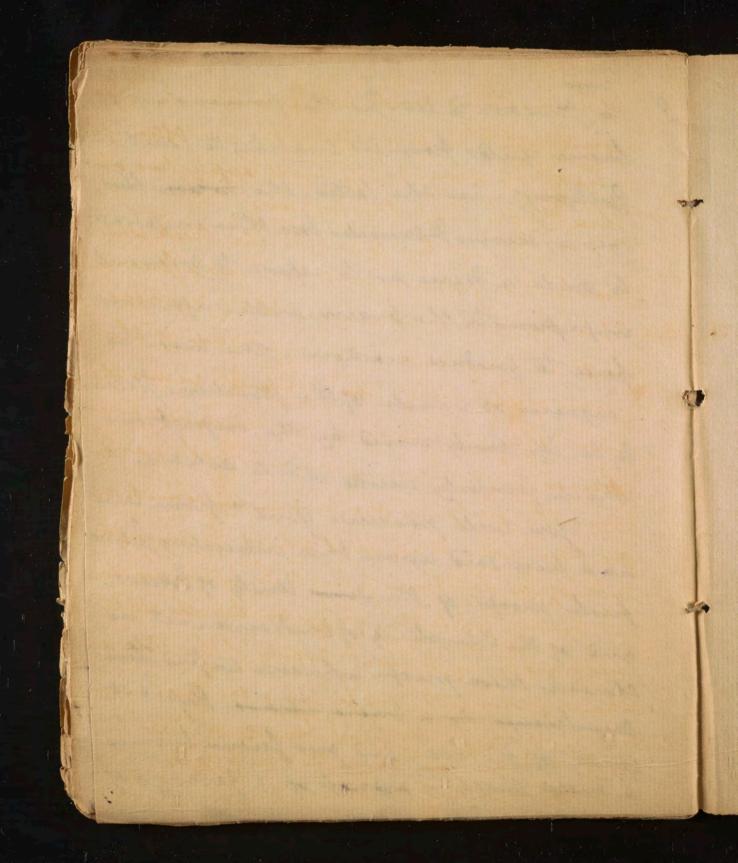
or in the beginning of a finer, selvour attented with any danger. The reason of this is Herious. The brain in the beginning of a June is two strong to be disorganized by them. It has been thousand purther, that Convulsions in the Close of Jewess, and of many Other discases are generally fatal. The auson of this is likewise obvious. The excela--bilits of the blood repuls and the clasticity of the brain are exhausted to as to prevent this weeting report the indicate pand hands recovering their tone, and hence they sue= = curso or dink under the so as to produce by reacting an equilibrium in the System, &

V are epileptie - in their Close - they are apoplistic.

hence they derecumb, or sink it a fatal apopleay, from this being two weak to save -Themselves by a ringle fition by successive fits of the communitions in the beginning of V 2 It is a runark as ancient as Thippontes, that a fiver Incceeding apopleary is favourable. - Why is it to? - I answer busine it the brains to be so knowly uning gird as to to be the brain the black uning the the brain to be a second to b of the blood refute able to react this the me-- diens of the blood repels of the whole System. -It is equally a tign that the brain has escaped disorganisation when it reacts by means of Consulsions or Epilepsy. 3 It has been remarked that Epilepsy generally terminates in health by a fit of appopling, and that it goes off gradually between the 50. and both years of life. The reasons of this



is Obvious to Us. In the former case the brain yilds from its inability to react in Epilypsy; - in the latter, the bories, blood: -vepels, eners & muscles lose this instability to such a degree as to reproc to transmit imprepions to the brain with dufficient force to produce reaction. The brain too arguines to much of the Stricture State as to be less cosily moved by the imprepious which journely excited it into action. You will percine gent? from What has been said upon this intrusting fuljut fush proops of the dies Unity of discesse, and of the Singshirity of medicine. Let us Cherish these proofs wherever we find them. On Seine is a more thank Right the Unity of discase, and over ference burness a sure Chaos, - a snap of a farrage of



of unmeaning browns, and a compound of igenmance. as error & truth are Often illes. - trated by similes, I shall apply two or three to the Subject before us. The School boy considers the Creek which washes his fathers plantation, as aftern of water made wholly for that purpose, and unconnected with any Other of the waters of the globe. The peasant views the river abbind flowingtwice in the twenty fores afrons in the same contracted light, and even the fisherman forguently admits of no Other Ocean than that which receives the water of the bay from which he derives his class and Oysters; while the navigator beholds all the Creeks and rivers & bays & Oceans of the globe as intimately connected, and forming one great integral maps of water . In the School boy , the persont & Inthe the fisherman you behold the prosologists ! In the navigator, we behold the Unitarian in medicine.

